



*International Civil Aviation Organization*

**FOURTEENTH MEETING OF THE  
COMMUNICATIONS/NAVIGATION/SURVEILLANCE  
AND METEOROLOGY SUB-GROUP OF  
APANPIRG (CNS/MET SG/14)**



Jakarta, Indonesia, 19 – 22 July 2010

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**Agenda Item 8: Regional Implementation of World Area Forecast System (WAFS)**

**1) implementation issues associated with cessation of ISCS-G2**

**WIFS IMPACT TO ISCS AND SADIS USERS**

(Presented by WAFC Washington and London)

**SUMMARY**

This paper is to inform users to upcoming changes when the current ISCS service is replaced by the WAFS Internet File Service (WIFS). It describes the relationship between the WIFS service and SADIS, particularly the SADIS FTP and forthcoming Secure SADIS FTP Services.

This paper relates to

**Strategic Objectives:**

- A: Safety – Enhance global civil aviation safety
- D: Efficiency – Enhance the efficiency of aviation operations

**Global Plan Initiatives:**

- GPI-18 Aeronautical Information
- GPI-19 Meteorological Systems

**1. Introduction**

1.1 The WAFC Washington will be terminating its ISCS Satellite broadcast in June 2012, and has already brought into operation the replacement service, the WAFS Internet File Service (WIFS). The focus over the next two years, is for those WAFS users taking the ISCS service to transition off the satellite service and over to the new Internet-based service.

1.2 The SADIS Provider will continue to provide WAFS data via Satellite broadcast over SADIS 2G until at least 2015, as well as continuing to provide the SADIS FTP service, and develop a replacement to SADIS FTP to be known as Secure SADIS FTP.

1.3 Users of these services must be made aware that these systems do not use identical access protocols, nor (in some cases) are the weather products hosted by each system identical - though the meeting will be aware of efforts over the years to harmonize the data content between the services provided by WAFC London and WAFC Washington. The intent of this paper is to highlight these differences and describe the backup options available.

## 2. Discussion

2.1 Notwithstanding the forthcoming changes to systems, the plan is that WIFS and SADIS will continue to act as backup systems for each other's set of users, i.e., in the unlikely case that the SADIS system fails, SADIS users will be allowed to access WIFS. The converse is also true – in the unlikely case that ISCS/WIFS fails, then ISCS/WIFS users will be allowed to access SADIS FTP.

2.2 As the WAFC Washington switches to the new WIFS and as WAFC London migrates from SADIS FTP to Secure SADIS FTP, users should be aware of the following: .

- The Regional ANPs should be used to determine for each State which service (SADIS or WIFS) will be the *primary* service provider. i.e., if a user in State A is directed by Regional ANPs to take the SADIS Service, then they apply for SADIS access. On the assumption that access is granted they must then decide, as a user, if they want a contingency option. If so, *they* must then apply to the WIFS provider to access WIFS for backup access to WAFS data. The primary service provider *will not* arrange backup accounts with the other service provider for the user.
- It is expected that 'Hot' backup access will continue to be made available to those users who have arranged accounts for backup/contingency purposes. This is easier to manage, and ensures instant backup access is available in the unlikely event of the primary service failing.
- The WIFS/SADIS managers are reviewing their administrative processes to ensure access is granted and managed appropriately, including the monitoring of inappropriate/excessive access to services by users whose accounts are for backup/contingency purposes only.
- The WIFS and SADIS are not identical 'mirrors' of each other and allowance will need to be made of this fact to extract data. For the majority of users this should be transparent since Workstation Vendors allow for the different protocols necessary to obtain data through their software.
- Users should maintain contact with their Workstation supplier to ensure that their software will be able to access WIFS, SADIS FTP and - in the future Secure SADIS FTP - and also be able to process the data from each service, including EGRR GRIB1, KWBC GRIB1, EGRR GRIB2 and KWBC GRIB2 WAFS data.
- Users who develop their own bespoke systems to obtain and visualise WIFS/SADIS FTP/Secure SADIS FTP data will need to make note of the above, and include processes to access either service provider's datasets.

2.3 The WAFCs will present more detail regarding the above to WAFSOPSG and SADISOPSG in coming months, and also to the other Planning and Implementation Regional Groups (PIRGs).

## 3. Action required by the Meeting

3.1 The meeting is invited to note the information in this paper.

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